



8/02/04

JRW 1647/H  
PTO/SB/21 (04-04)

<b>TRANSMITTAL FORM</b>		Application Number	09/724,319
(to be used for all correspondence after initial filing)		Filing Date	November 27, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Nichols
Total Number of Pages in This Submission	14	Attorney Docket Number	15270J-004743US

<b>ENCLOSURES (Check all that apply)</b>		
<input checked="" type="checkbox"/> Fee Transmittal Form (1 pp., submitted in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (5 pp.) PTO/SB08A (1 pp.) PTO/SB08B (4 pp.) *cite nos. 451-508 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
<div style="border: 1px solid black; padding: 2px;">           Remarks      The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.         </div>		
*Not included in the "Total Number of Pages In This Submission"		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Townsend and Townsend and Crew LLP Rosemarie L. Calli	
Signature		
Date	Reg. No. 42,397 July 30, 2004	

<b>CERTIFICATE OF TRANSMISSION/MAILING</b>			
Express Mail Label: EV 530 884 927 US			
I hereby certify that this correspondence is being deposited with the United States Postal Service with "Express Mail Post Office to Address" service under 37 CFR 1.10 on this date July 30, 2004 and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Ron Anton		
Signature		Date	July 30, 2004



# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 180)

## Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Examiner Name	Christopher J. Nichols
Art Unit	1647
Attorney Docket No.	15270J-004743US

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None

Deposit Account:

Deposit Account Number **20-1430**

Deposit Account Name **Townsend and Townsend and Crew LLP**

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee Description	
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)** (\$ )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Fee from below	Fee Paid
Total Claims	**	=	
Independent Claims	**	=	
Multiple Dependent		X	

### Large Entity Small Entity

Large Entity	Small Entity	Fee Description
Fee Code	Fee Code	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ )

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee Description	
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive – unavoidable	
1453 1,330	2453 665	Petition to revive – unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Petitions related to provisional applications	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) _____			

\*Reduced by Basic Filing Fee Paid **SUBTOTAL (3)**

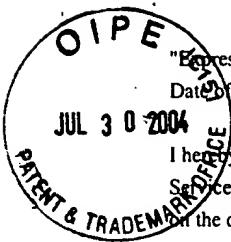
(\$180)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Rosemarie L. Celli	Registration No. (Attorney/Agent)	42,397	Telephone	650-326-2400
Signature				Date	July 30, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



"Express Mail" Label No. EV 530 884 927 US

Date of Deposit July 30, 2004

JUL 30 2004

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Address" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

By: Ron Anton

**PATENT**

Attorney Docket No.: 15270J-004743US

Client Reference No.: 209-US-CIP5C3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No: 09/724,319

Applicant: Dale B. Schenk

Filed: November 27, 2000

TC/A.U. 1647

Examiner: Christopher J. Nichols

Docket No: 15270J-004743US

Customer No: 20350

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 AND §1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. Copies of reference numbers 451-508 are enclosed. It is respectfully requested that the cited references be expressly considered during the

prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant also cites commonly owned copending applications directed to related subject matter:

09/201,430 filed 11/30/98 issue fee paid on 10/07/03;  
09/497,553 filed 02/03/00;  
09/724,477 filed 11/28/00 issue fee paid on 10/07/03;  
09/723,927 filed 11/28/00 issue fee paid on 10/07/03;  
09/723,762 filed 11/28/00 issue fee paid on 10/07/03;  
09/724,102 filed 11/28/00 issue fee paid on 10/07/03;  
09/724,489 filed 11/28/00 issue fee paid on 10/07/03;  
10/816,022 filed 03/31/04;  
10/816,529 filed 03/31/04;  
10/815,391 filed 03/31/04;  
10/815,353 filed 03/31/04;  
15270J-004736US filed 03/31/04;  
10/815,404 filed 03/31/04;  
09/322,289 filed 05/28/99;  
09/723,713 filed 11/27/00;  
09/723,760 filed 11/27/00;  
09/724,319 filed 11/27/00;  
09/723,384 filed 11/27/00 issued as U.S. 6,710,226 on 03/23/04;  
09/724,495 filed 11/27/00;  
10/788,666 filed 02/27/04;  
10/429,216 filed 05/30/03;  
09/580,015 filed 05/26/00;  
09/724,940 filed 11/28/00;  
09/724,961 filed 11/28/00 issue fee paid on 02/26/04;  
09/580,018 filed 05/26/00 issue fee paid on 02/26/04;

09/724,552 filed 11/28/00 issue fee paid on 02/26/04;  
09/723,544 filed 11/28/00;  
09/724,273 filed 11/28/00;  
09/724,551 filed 11/28/00; issue fee paid on 02/26/04;  
09/724,288 filed 11/28/00;  
10/777,792 filed 02/11/04;  
15270J-004767US filed 04/12/04;  
09/580,019 filed 05/26/00;  
09/723,765 filed 11/28/00;  
09/724,291 filed 11/28/00;  
09/724,929 filed 11/28/00;  
09/585,817 filed 06/01/00;  
09/724,567 filed 11/28/00 notice of allowance mailed 03/02/04;  
09/724,575 filed 11/28/00;  
09/724,953 filed 11/28/00 notice of allowance mailed 03/11/04;  
09/724,570 filed 11/28/00;  
09/585,656 filed 06/01/00;  
09/723,766 filed 11/27/00;  
09/723,725 filed 11/27/00;  
09/579,690 filed 05/26/00;  
09/979,701 filed 03/13/01 (U.S. Nat'l Stage of PCT/US00/14810 filed 05/26/00);  
09/979,952 filed 04/04/02 (U.S. Nat'l Stage of PCT/US00/15239 filed 06/01/00);

and,

09/980,568 filed 03/12/02 (U.S. Nat'l Stage of PCT/US00/15302 filed 06/01/00).

Applicant also cites the following copending applications directed to related subject matter but subject to different assignment:

10/010,942 filed 12/06/01;  
10/789,273 filed 2/27/04;  
10/232,030 filed 08/30/02;  
10/388,389 filed 03/12/03

10/703,713 filed November 7, 2003  
10/704,070 filed November 7, 2003  
10/388,214 filed 03/12/03;  
60/474,654 filed 05/30/03;  
60/530,481 filed 12/17/03; and,  
10/771,174 filed 02/04/04.

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

60/067,740 filed 12/02/97;  
60/080,970 filed 04/07/98;  
60/067,219 filed 12/03/97;  
60/079,697 filed 03/27/98;  
09/204,838 filed 12/03/98;  
09/724,921 filed 11/28/00;  
60/137,010 filed 06/01/99;  
60/251,892 filed 12/6/00;  
60/137,047 filed 06/01/99; and,  
60/136,655 filed 05/28/99.

Applicant also cites the following abandoned application directed to related subject matter but subject to different assignment:

60/251,892 filed 12/06/00;  
60/444,150 filed 02/01/03; and,  
60/363,751 filed 03/12/02.

Applicant points out that the following applications are now commonly assigned but were previously subject to different assignment than the present application:

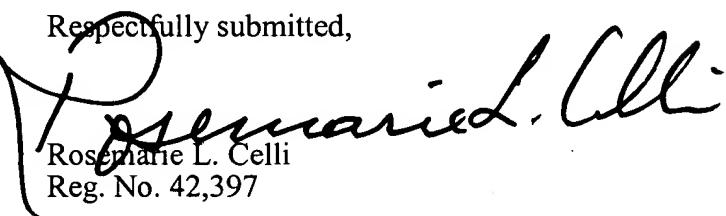
60/067,219 filed 12/03/97;  
60/079,697 filed 03/27/98;  
09/204,838 filed 12/03/98;  
09/724,921 filed 11/28/00; and,

09/724,929 filed 11/28/00.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

Applicant believes a fee of \$180 is required for submission of this statement, since it is being submitted after the first Office Action on the merits but before a final action. The Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

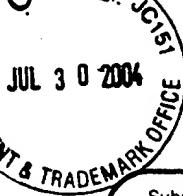
Respectfully submitted,



Rosamarie L. Celli  
Reg. No. 42,397

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
Tel: 650-326-2400  
Fax: 650-326-2422  
RLC

60273665 v1



→

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 5

*Complete if Known*

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004743US

### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
453		2002/0058267 A1	05-16-2002	Ozenberger et al.	
452		6,218,506 B1	04-17-2001	Krafft et al.	
451		5,766,846	06-16-1998	Schlossmacher et al.	

### FOREIGN PATENT DOCUMENTS

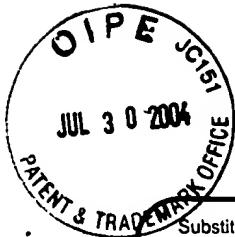
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
458	WO	02/06048 1	A1	08-08-2002				
457	WO	02/04623 7	A1	06-13-2002				
456	WO	02/02114 1	A2	03-14-2002				
455	WO	01/10900	A2	02-15-2001				
454	WO	98/33815	A1	08-06-1998				

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231  
60274022 v1



→

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

5

### Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	484	ARENDIASH GW et al., "Behavioral assessment of Alzheimer's transgenic mice following long-term A $\beta$ vaccination: Task specificity and correlations between A $\beta$ deposition and spatial memory," <u>DNA and Cell Biology</u> , 20(11):737-744 (2001)	
	485	BACSKAI BJ et al., "Imaging of amyloid- $\beta$ deposits in brains of living mice permits direct observation of clearance of plaques with immunotherapy," <u>Nature Medicine</u> , 7(3):369-372 (2001)	
	504	BALBACH J et al., "Amyloid fibril formation by A $\beta$ <sub>16-22</sub> , a seven-residue fragment of the Alzheimer's $\beta$ -amyloid peptide, and structural characterization by solid state NMR" <u>Biochemistry</u> , vol. 39, pp. 13748-59 (2000)	
	461	BURDICK D et al., "Assembly and aggregation properties of synthetic Alzheimer's A4/ $\beta$ amyloid peptide antigens," <u>J Biol Chm</u> , 267:546-55 (1992)	
	462	CO MS et al."Chimeric and humanized antibodies with specificity for the CD33 antigen," <u>J Immunol</u> , 148:1149-1154 (1992)	
	469	DEMATTOS RB et al., "Peripheral anti-A $\beta$ antibody alters CNS and plasma clearance and decreases A $\beta$ burden in a mouse model of Alzheimer's disease3," <u>Proc Natl Acad Sci USA</u> 98(15):8850-8855	
	493	DEMATTOS RB et al., "Plaque-associated disruption of CSF and plasma amyloid- $\beta$ (A $\beta$ ) equilibrium in a mouse model of Alzheimer's disease," <u>J Neurochem</u> , 81:229-236, (2002)	
	486	DICKEY CA et al., "Duration and specificity of humoral immune responses in mice vaccinated with the Alzheimer's disease-associated $\beta$ -amyloid 1-42 peptide," <u>DNA and Cell Biology</u> , 20(11):723-729 (2001)	
	475	EL-AGNAF OM et al., "The influence of the central region containing residues 19-25 on the aggregation properties and secondary structure of Alzheimer's beta-amyloid peptide," <u>Eur J Biochem</u> , 256(3):560-569 (1998)	
	501	ESLER W et al., "Point substitution in the central hydrophobic cluster of a human $\beta$ -amyloid congener disrupts peptide folding and abolishes plaque competence" <u>Biochemistry</u> , vol. 35, pp. 13914-21 (1996)	
	464	FLOOD JF et al., "An amyloid $\beta$ -Protein fragment, A $\beta$ [12-28], equipotently impairs post-training memory processing when injected into different limbic system structures," <u>Brain Res</u> , 663(2):271-276 (1994)	
	463	GHISO J et al., "Epitope map of two polyclonal antibodies that recognize amyloid lesions in patients with Alzheimer's disease," <u>Biochem J</u> , 282 (Pt 2):517-522 (1992)	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

60274022 v1



→

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of

5

### Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols

Attorney Docket Number

15270J-004743US

470	GIULIAN D et al., "Specific domains of β-amyloid from Alzheimer plaque elicit neuron killing in human microglia," <u>J Neurosci</u> , 16 (19):6021-6037 (1996)
503	GOREVIC P et al., "Ten to fourteen residue peptides of Alzheimer's disease protein are sufficient for amyloid fibril formation and its characteristic X ray diffraction pattern" <u>Biochem. and Biophys. Res. Commun.</u> , vol. 147, no. 2 (1987)
487	HAASS C et al., "Proteofibrils, the unifying toxic molecule of neurodegenerative disorders?" <u>Nature Neuroscience</u> , 4(9):859-860 (2001)
476	HE X-Y et al., "Humanization and pharmacokinetics of a monoclonal antibody with specificity for both E- and P- selectin," <u>J Immunol</u> , 160:1029-1035 (1998)
473	HILBICH C et al., "Aggregation and secondary structure of synthetic amyloid βA4 peptides of Alzheimer's disease" <u>J. Mol. Biol.</u> , vol. 218, pp 149-163 (1991)
471	HILBICH C et al., "Substitutions of hydrophobic amino acid reduce the amyloidogenicity of Alzheimer's disease βA4 peptides" <u>J. Mol. Biol.</u> , vol. 228, pp 460-73 (1992)
488	KLEIN WL et al., "Targeting small Aβ oligomers: the solution to an Alzheimer's disease conundrum?" <u>Trends in Neurosciences</u> , 24(4):219-224 (2001)
494	KOTILINEK LA et al., "Reversible memory loss in a mouse transgenic model of Alzheimer's disease," <u>J Neurosci</u> , 22(15):6331-6335 (2002)
465	KOUDINOV A et al., "The soluble form of Alzheimer's amyloid beta protein is complexed to high density lipoprotein 3 and very high density lipoprotein in normal human plasma," <u>Biochem &amp; Biophys Res Comm</u> , 205:1164-1171 (1994)
478	KUO YM et al., "High levels of circulating Abeta42 are sequestered by plasma proteins in Alzheimer's disease," <u>Biochem Biophys Res Commun</u> , 257(3):787- 791 (1999)
477	LAMBERT MP et al., "Diffusible, nonfibrillar ligands derived from Aβ1-42 are potent central nervous system neurotoxins," <u>Proc Natl Acad Sci</u> , 95:6448-6453 (1998)
489	LAMBERT MP et al., "Vaccination with soluble Aβ oligomers generates toxicity-neutralizing antibodies," <u>J Neurochem</u> , 79:595-605 (2001)
490	LEE VM-Y et al., "Aβ immunization: Moving Aβ peptide from brain to blood," <u>PNAS</u> , 98(16):8931-8932 (2001)
459	LEVITT M. "Molecular dynamics of native protein," <u>J. Mol Biol</u> , 168:595-620 (1983)
481	LEVY A et al., "Immunization for Alzheimer's disease: A shot in the arm or a whiff?" <u>American Neurological Assoc</u> , 48:553-554 (2000)

Examiner Signature	Date Considered
--------------------	-----------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

60274022 v1



→

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

5

### Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols

Attorney Docket Number

15270J-004743US

499	LUE L et al., "Soluble β-amyloid Peptide Concentration as a Predictor of Synaptic Change in Alzheimer's Disease", <u>Am. J. Pathol.</u> , 1999, 155: pp 853-62
502	MAGGIO J & MANTYH P "Brain Amyloid – A Physicochemical Perspective" <u>Brain Pathology</u> , vol. 6, 147-162 (1996)
479	MCLEAN C et al., " Soluble pool of Aβ amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease," <u>Amer Neurological Assoc</u> , 46:860- 866 (1999)
482	NASLUND J et al., "Correlation between elevated levels of amyloid β peptide in the brain and cognitive decline," <u>J Am Med Assoc</u> , 283:1571 (2000)
491	PODUSLO JF et al., "Permeability of proteins at the blood-brain barrier in the normal adult mouse and double transgenic mouse model of Alzheimer's disease," <u>Neurobiol Dis</u> , 8(4):555-67 (2001)
460	QUEEN C et al., "A humanized antibody that binds to the interleukin 2 receptor," <u>Proc Natl Acad Sci USA</u> , 86:10029-10033 (1989)
497	RAGUSI C et al., "Redistribution of Imipramine from Regions of the Brain Under the Influence of Circulating Specific Antibodies" <u>J. Neurochem.</u> , Vol. 70, No. 5, pp 2099-105 (1998)
466	SCHWARZMAN AL et al., "Transthyretin sequesters amyloid β protein and prevents amyloid formation," <u>Proc Natl Acad Sci</u> , 91:8368-8372, (1994)
505	SIMMONS L "Secondary structure of amyloid β peptide correlates with neurotoxic activity <i>in vitro</i> " <u>Molecular Pharmacology</u> , vol. 45, pp 373-9 (1994)
508	SOTO C et al., "The α-helical to β-strand transition in the amino-terminal fragment of the amyloid β-peptide modulates amyloid formation" <u>J. Biol. Chem.</u> , vol. 270, no. 7, pp 3063 67 (1995)
496	STRBAK V et al., "Passive Immunization and Hypothalamic Peptide Secretion", <u>Neuroendocrinology</u> , 1993; 58:210-217
498	SUO et al., "Soluble Alzheimers β-amyloid constricts the cerebral vasculature <i>in vivo</i> " <u>Neuroscience Letters</u> 257, pp 77-80 (1998)
467	TABATON M et al., "Soluble amyloid β-protein is a marker of Alzheimer amyloid in brain but not in cerebrospinal fluid," <u>Biochem and Biophys Res Comm</u> , 200(3):1598-1603 (1994)
472	TELLER J et al., "Presence of soluble amyloid β-peptide precedes amyloid plaque formation in Down's syndrome" <u>Nature Medicine</u> , vol. 2, no. 1, pp 93-95 (1996)
500	TJEMBERG L et al., "A molecular model for Alzheimer amyloid β-peptide fibril formation" <u>J. Biol. Chem.</u> , vol. 274, no. 18, pp 12619-25 (1999)

Examiner Signature	Date Considered
--------------------	-----------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

60274022 v1



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

5

of

5

Complete if Known	
Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk Dale B.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	15270J-004743US

492	TOWN T et al., "Characterization of murine immunoglobulin G antibodies against human amyloid- $\beta$ <sub>1-42</sub> " <u>Neurosci Lett</u> , 307:101-104 (2001)	
495	WANG H-W et al., "Soluble oligomers of $\beta$ amyloid (1-42) inhibit long-term potentiation but not long-term depression in rat dentate gyrus," <u>Brain Research</u> , 924:133-140 (2002)	
480	WANG J et al., "The levels of soluble versus insoluble brain A $\beta$ distinguish Alzheimer's disease from normal and pathologic aging," <u>Experimental Neurology</u> , 158:328-337 (1999)	
474	WINTER G et al., "Humanized antibodies" <u>Immunology Today</u> , 14(6):243-246 (1996)	
468	WISNIEWSKI T et al., "Alzheimer's disease and soluble A beta," <u>Neurobiol Aging</u> , 15(2):143-52 Review (1994)	
506	WOOD, A et al., "Prolines and amyloidogenicity in fragments of the Alzheimer's peptide $\beta$ /A4" <u>Biochemistry</u> , vol. 34 pp. 724-30 (1995)	
507	XU S and GASKIN F "Increased incidence of anti- $\beta$ -amyloid autoantibodies secreted by Epstein-Barr virus transformed B cell lines from patients with Alzheimer's disease" <u>Mechanisms of Ageing and Development</u> , vol. 94, pp 213-22 (1997)	
483	ZLOKOVIC BV et al., "Clearance of amyloid $\beta$ -peptide from brain: transport or metabolism?" <u>Nature Medicine</u> , 6(7):718-719 (2000)	

Examiner Signature	Date Considered
--------------------	-----------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

60274022 v1